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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

09/943,799

Applicant(s)

GLASGOW, JINAN

Examiner

ANH LY

Art Unit

2162

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 September 2010.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 and 7-17 is/are pending in the application.
- 4a) Of the above claim(s) 6, 18 and 19 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 and 7-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 August 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SE/C.3)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____
- Paper No(s)/Mail Date _____

DETAILED ACTION

1. This Office Action is response to Applicant, AMENDMENT & RCE filed on 09/10/2010.

Request for Continued Examination (RCE)

2. The request filed on 09/10/2010 for a Request for Continued Examination (RCE) under 37 CFR 1.114 based on parent Application No. 09/943,799 is acceptable and a RCE has been established. An action on the RCE follows.
3. Claims 6 and 18-19 were cancelled.
4. Claims 1-5 and 7-17 are pending in this Application.

Response to Arguments

5. Applicant's arguments filed 09/10/2010 have been fully considered but they are not persuasive.

Applicants argued that, "Tran and Rivette nowhere teach, disclose or suggest the automatically generated hierarchical diagram including at least one key component and at least one subcomponent associated ..., where the text based and graphical-based

component are integrally visually ... in a single interactive diagram as claimed – more particularly wherein the graphical component structure and textual component content being integrally visually generated and linked in a single interactive diagram.” (page 9, the last paragraph and page 10, lines 1-2, in the Remarks).

Examiner respectfully disagrees as argued. In response to Applicants arguments, TRAN (Pub. No.: US 2006/0190807 A1) teaches methods and system for processing intellectual property assets; drafting or writing patent applications; creating and displaying a claim tree under graphical interface, diagramming elements of the claim in a graphical representation: a flowchart of steps of claim drafting with user input and including the system diagramming the elements of a claim via a computer system via a Internet/communication network as shown in fig. 1, para 0035 and 0038). A single window to a user's most commonly used desktop information and GUI for claim tree and a navigable interface including an element tree hierarchical and claim mapping (para 0020, fig. 3B and page 12, in claim 8 and claim 16). The window displays (fig. 3B) a hierarchical diagram claim tree: the independent claims are key components; the dependent claims are sub-components and the claim languages of each key component and subcomponent in parallel with claim tree (fig. 3A, para 0052 and including at the step 312, the system diagramming the elements of a claim, para 0068-0079 and fig. 3B, graphical user interface for a claim tree with its component textual or component content; illustrating the diagrammed claim, showing the hierarchy of elements para 0080; wherein the highest level node in fig. 3B is the claimed at least one key

component. While RIVETTE (Pub. No.: US 2007/0208669 A1) teaches the graphical component of a patent including drawings, claims, abstract, summary and detail specification and is illustrated and displayed under a hierarchical tree with graphical component structure (para 0429 and 0980 and fig. 73 and 164; claim tree: fig. 185; para 1368-1369), and a user can view the tree structure in a single window or pane (para 0793 and 1162-1178). And BLAIR (2002/0112114 A1) teaches a navigation tree and text document with links shown as in the fig. 2, the tree navigation structure. All the structure or directory of document and the text- based document are integrally in a same window with modifiable graphical hierarchical tree structure (para 0030-0032; also, see para 0014-0016). And a user can view the tree structure in a single window or pane (para 0793 and 1162-1178).

Applicant asserts that "no new matter was included inasmuch as ... fully supported by specification and drawings originally submitted." (page 11, lines 5-7, in the Remark).

Examiner respectfully disagrees as argued. In response to Applicants arguments, The "integrally visually generated", "in a single interactive diagram" and "in a single user interface pane" are not supported by the specification and drawings originally submitted.

For the above reasons, Examiner believed that rejection of the last Office action was proper.

Examiner's note for 101 issues

6. Statutory under USC 101:
7. Claims 1-5 and 7-17 are under statutory under 35 U.S.C. § 101.

As per claims 1-5, 7-10 and 16, system claims, the "computer" is interpreted as a computing device or machine, a physical object, to implement or perform the steps of claimed invention (fig. 1, item 10, specification page 7, lines 3-8).

As per claims 11-15 and 17, method claims, the "computer having a processor" is interpreted as a computer system, a physical object or machine to implement or perform the steps of claimed invention (fig. 1, item 10, specification page 7, lines 3-8).

Claim Objections

8. Claim 7 objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. The claim 7 is now depending on the cancelled claim 6.

Claimed Subject Matter Not in Specification

9. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: "integrally visually generated", "a single, interactive diagram" and "a single user interface pane" are lacking the requisite support for the claimed subject matter (claimed subject matter is only presented in the claims and not in the specification). Applicants are advised to amend the claim(s) in a language that helps one skilled in the art can make and use the claimed invention.

Drawings

10. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "integrally visually generated", "a single interactive diagram" and "a single user interface pane" must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate

changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 103

11. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

12. Claims 1-5 and 7-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over TRAN (Pub. No.: US 2006/0190807 A1; Continuation of application No. 09/792,828, filed on FEB. 24, 2000) in view of Rivette et al. (Pub. No.: US 2007/0208669 A1, Continuation of application No. 11/178,367, filed on JUL. 12th, 2005, which is a Continuation of application No. 09/545,608, filed on APR. 7th, 2000, hereinafter as RIVETTE) and further in view of Blair et al. (Pub. No.: US 2002/0112114 A1, hereinafter as BLAIR).

With respect to claim 1, TRAN teaches a system for drafting a patent application and assessing technological information on at least one computer (fig. 1, a system for user(s) such as IP specialist or attorney in drafting or writing patent applications or patent claims as well as technical information as legal matters for a patent application: para 0006, 0010 and 0132-0133), the system comprising:

at least one input device connected to the at least one computer for inputting information from at least one user, wherein the inputs include a text-based description of an invention (inputting from one of client computers: fig. 1, items 104 and 106, para 0035; drafting or writing patent application, which is a text-based description of an invention: para 0006, 0010 and 0132-0133);

at least one processing means for generating a diagrammatic representation of the invention by automatically (using graphical user interface and software for assisting the user in generating a patent application: para 0042-0043 and fig. 2A and 2C, processing the application via computer system as automated processing), wherein the diagrammatic representation includes a hierarchical component categorization of the technical components including at least one key component and at least one subcomponent associated with the at least one key component of the invention based upon the information inputted by the at least one user (fig. 3B a claim tree, para 0068 and para 0006, 0010 and 0132-0133), and for automatically generating a document for filing as a patent application (automatically generating a patent application: fig. 2's para 0042), including specification and claims, based upon the information inputted by the at least one user and additional text-based detailed information that is organized

consistent with the diagram (technical component such as background, description, drawings and claims: abstract, figs. 2C, 3A and 4-5, para 0008, 0016, 0046 and 0101-0103); wherein the hierarchical component categorization includes at least one key component and at least one subcomponent related thereto, wherein the hierarchical component categorization contains the full text of the textual component content; wherein the diagrammatic representation of the components and subcomponents together provides an indication of what may be claimed in a patent application (independent claims and dependent claims: in fig. 3B claim tree and para 0053-0054);

at least one output device connected to the at least one computer for outputting the automatically generated diagrammatic representation of an invention (the claim tree is displayed on the desktop screen, output device: para 0127 and fig. 3B); and

wherein the diagram is modifiable by the at least one user and the diagram hierarchical component categorization and related text-based detailed information is automatically updated based upon the user modifications (the text of a patent application is enabling to update or edit: para 0044 and claim tree is also able to move or to modify (drag/drop claims): para 0068).

TRAN teaches methods and system for processing intellectual property assets; drafting or writing patent applications; creating and displaying a claim tree under graphical interface, diagramming elements of the claim in a graphical representation: a flowchart of steps of claim drafting with user input and including the system diagramming the elements of a claim. The window displays icons and drop-down menus. By clicking on items in the background windows, a user can navigate the claim

tree. The user such as IP specialist or attorney in drafting or writing patent applications or patent claims as well as technical information as legal matters for a patent application, generating an patent application including some technical components such background, invention summary, drawings, description, abstract and claims and displaying the claim tree to user. Also, TRAN teaches displaying a flowchart of steps of claim drafting with user input (fig. 3A, para 0052) and including at the step 312, the system diagramming the elements of a claim (para 0068-0079) and fig. 3B illustrating the diagrammed claim, showing the hierarchy of elements (para 0080), analogous to the claimed components and subcomponents, wherein the highest level node in fig. 3B is the claimed at least one key component and a single window to a user's most commonly used desktop information and GUI for claim tree and a navigable interface including an element tree hierarchical and claim mapping (para 0020, fig. 3B and page 12, in claim 8 and claim 16). TRAN does not explicitly teach wherein the diagrammatic representation comprises graphical component structure and textual component content associated with each component such that for each component, the graphical component structure includes the textual component content and wherein the text-based information and the diagram components are automatically directly linked by being visually integrated with one another within the graphical component structure and in a single user interface pane as claimed.

However, RIVETTE teaches image file and text file are presentations of patent (para 0429); the patent is represented by icon (para 0980 and fig. 73 and 164); claim tree (fig. 185; para 1368-1369); hyperlinking using a linked list of nodes for switching to

view the desired component (para 1231-1233; also para 1236-1240). And a user can view the tree structure in a single window or pane (para 0793 and 1162-1178). This is the same as the graphical component of a patent including drawings, claims, abstract, summary and detail specification and is illustrated and displayed under a hierarchical tree with graphical component structure (see figs 164 and 185) and classification or categorization the patent/document (para 0727, 1434, and 2080).

Therefore, based on TRAN in view of RIVETTE, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the teachings of TRAN with the teachings of RIVETTE. One having ordinary skill in the art would have found it motivated to utilize the use of graphical representation of a source patent and claim as well (RIVETTE's para 1368-1368; fig. 164 and 185), into the system of TRAN for the purpose of having tools including modules to track and process of Patent or Intellectual property related transaction such as license agreements, therefore, enabling user to use automated tools that automatically process patent related information for making corporate business decision (RIVETTE's para 0003-0008 and 0020-0021). Combination of TRAN and RIVETTE do not teach wherein the graphical component structure and textual component content being integrally visually generated and link in a single interactive diagram as claimed.

However, BLAIR teaches a navigation tree and text document with links shown as in the fig. 2, RFQ that is selected from the tree navigation structure. As shown in this example, this is a text document with PDF format that includes hyperlinks;

the RFQ by showing a tree navigation arrangement on the left side of the screen, and corresponding details on the right side. As shown in this example, the navigation tree in the electronic RFQ basically operates as a Table of Contents (TOC) to the RFQ documents (para 0030-0032). All the structure or directory of document and the text-based document are integrally in a same window with modifiable graphical hierarchical tree structure.

Therefore, based on TRAN in view of RIVETTE, and further in view of BLAIR, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the teachings of BLAIR to the system of TRAN and RIVETTE. One having ordinary skill in the art would have found it motivated to utilize the use of interactive diagram as disclosed (BLAIR's para 0030-0032), into the system of TRAN for the purpose of providing documents in PDF format for easing to extract, thereby, enabling to provide a single application or document can be used to view all documents (BLAIR's figs. 1 and 2, para 0002-0004, 0014-0016 and 0030-0032).

With respect to claim 2, TRAN teaches wherein the diagram is modifiable by the at least one user and the diagram hierarchical component categorization and related text-based detailed information is automatically updated based upon the user modifications (the text of a patent application is enabling to update or edit: para 0044 and claim tree is also able to move or to modify (drag/drop claims): para 0068).

With respect to claim 3, TRAN teaches wherein the at least one key component includes a multiplicity of components (such as one independent claim has one or more dependent claims as shown in the fig. 3B: claim tree: para 0068 or a patent

application has background, summary, description, drawings and claims components: para 0008, 0016 and 0044-0045).

With respect to claim 4, TRAN teaches wherein the at least one subcomponent further includes at least one sub-subcomponent (independent and dependent claims: claim tree: para 0068 and 0053-0054).

With respect to claim 5, TRAN teaches wherein the relational connection between components establishes the claims structure of the patent application (relationship between component in the data structure: para 0101 and fig. 4).

With respect to claims 7-10, TRAN teaches a system for drafting a patent application as discussed in claim 1.

TRAN teaches methods and system for processing intellectual property assets; drafting or writing patent applications; creating and displaying a claim tree under graphical interface, diagramming elements of the claim in a graphical representation: a flowchart of steps of claim drafting with user input and including the system diagramming the elements of a claim. The window displays icons and drop-down menus. By clicking on items in the background windows, a user can navigate the claim tree. The user such as IP specialist or attorney in drafting or writing patent applications or patent claims as well as technical information as legal matters for a patent application, generating an patent application including some technical components such background, invention summary, drawings, description, abstract and claims and displaying the claim tree to user. Also, TRAN teaches displaying a flowchart of steps of claim drafting with user input (fig. 3A, para 0052) and including at the step 312, the

system diagramming the elements of a claim (para 0068-0079) and fig. 3B illustrating the diagrammed claim, showing the hierarchy of elements (para 0080), analogous to the claimed components and subcomponents, wherein the highest level node in fig. 3B is the claimed at least one key component. TRAN does not explicitly teach wherein the link(s) are hyperlinks; wherein the document and diagram are capable of being output into another software program; wherein the document and diagram are exportable in HTML format; and wherein the document and diagram are exportable in XML format as claimed.

However, RIVETTE teaches hyperlinking using a linked list of nodes for switching to view the desired component (para 1231-1233; also para 1236-1240); software programs for outputting (para 0405, 0667 and 1705); and mark-up format or data such as HTML or XML (para 0605-0606, 0656, 0668 and 1250).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of TRAN with the teachings of RIVETTE. One having ordinary skill in the art would have found it motivated to utilize the use of graphical representation of a source patent and claim as well (RIVETTE's para 1368-1368; fig. 164 and 185), into the system of TRAN for the purpose of having tools including modules to track and process of Patent or Intellectual property related transaction such as license agreements, therefore, enabling user to use automated tools that automatically process patent related information for making corporate business decision (RIVETTE's para 0003-0008 and 0020-0021).

With respect to claim 11, TRAN teaches a method for drafting a patent application (fig. 1, a system for user(s) such as IP specialist or attorney in drafting or writing patent applications or patent claims as well as technical information as legal matters for a patent application: para 0006, 0010 and 0132-0133) comprising the steps of:

entering information relating to components of a patentable invention by at least one user; automatically generating a visual diagram of the components of the invention in a hierarchical relational diagram, including at least one key component and at least one subcomponent associated with the at least one key component, wherein the visual diagram is a diagrammatic representation of an invention, wherein the diagrammatic representation includes a hierarchical component categorization of the technical components of the invention based upon the user inputted information, and automatically generating a document for filing as a patent application, including specification and claims, based upon the user inputted information and additional text-based detailed information that is organized consistent with the diagram; wherein the hierarchical component categorization includes at least one key component and at least one subcomponent related thereto; and the at least one user viewing the diagram and text-based information in a tangible medium, wherein the diagrammatic representation of the components and sub-components together provides an indication of what may be claimed in a patent application (inputting from one of client computers: fig. 1, items 104 and 106, para 0035; using graphical user interface and software for assisting the user in generating a patent application: para 0042-0043 and fig. 2A and 2C; see fig. 3B a claim

tree, para 0068; automatically generating a patent application: fig. 2's para 0042; technical component such as background, description, drawings and claims: abstract, figs. 2C, 3A and 4-5, para 0008, 0016, 0046 and 0101-0103; independent claims and dependent claims: in fig. 3B claim tree and para 0053-0054; and the claim tree is displayed on the desktop screen, output device: para 0127 and fig. 3B; and computer-readable medium such as a disk: para 0049); and modifying any previously inputted components within the diagram; and the system automatically updating the diagram and relational information to those modified components (the text of a patent application is enabling to update or edit: para 0044 and claim tree is also able to move or to modify (drag/drop claims): para 0068).

TRAN teaches methods and system for processing intellectual property assets; drafting or writing patent applications; creating and displaying a claim tree under graphical interface, diagramming elements of the claim in a graphical representation: a flowchart of steps of claim drafting with user input and including the system diagramming the elements of a claim. The window displays icons and drop-down menus. By clicking on items in the background windows, a user can navigate the claim tree. The user such as IP specialist or attorney in drafting or writing patent applications or patent claims as well as technical information as legal matters for a patent application, generating an patent application including some technical components such background, invention summary, drawings, description, abstract and claims and displaying the claim tree to user. Also, TRAN teaches displaying a flowchart of steps of claim drafting with user input (fig. 3A, para 0052) and including at the step 312, the

system diagramming the elements of a claim (para 0068-0079) and fig. 3B illustrating the diagrammed claim, showing the hierarchy of elements (para 0080), analogous to the claimed components and subcomponents, wherein the highest level node in fig. 3B is the claimed at least one key component and a single window to a user's most commonly used desktop information and GUI for claim tree and a navigable interface including an element tree hierarchical and claim mapping (para 0020, fig. 3B and page 12, in claim 8 and claim 16). TRAN does not explicitly teach wherein the diagrammatic representation comprises graphical component structure and textual component content wherein the textual component is positioned within the graphical component structure for each component associated with each component such that for each component, the graphical component Structure includes the full text of the textual component content wherein the textual component and the diagram components are automatically directly linked by being visually integrated with one another within the diagrammatic representation and in a single user interface pane as claimed.

However, RIVETTE teaches image file and text file are presentations of patent (para 0429); the patent is represented by icon (para 0980 and fig. 73 and 164); claim tree (fig. 185; para 1368-1369); hyperlinking using a linked list of nodes for switching to view the desired component (para 1231-1233; also para 1236-1240). And a user can view the tree structure in a single window or pane (para 0793 and 1162-1178). This is the same as the graphical component of a patent including drawings, claims, abstract, summary and detail specification and is illustrated and displayed under a hierarchical

tree with graphical component structure (see figs 164 and 185) and classification or categorization the patent/document (para 0727, 1434, and 2080).

Therefore, based on TRAN in view of RIVETTE, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the teachings of TRAN with the teachings of RIVETTE. One having ordinary skill in the art would have found it motivated to utilize the use of graphical representation of a source patent and claim as well (RIVETTE's para 1368-1368; fig. 164 and 185), into the system of TRAN for the purpose of having tools including modules to track and process of Patent or Intellectual property related transaction such as license agreements, therefore, enabling user to use automated tools that automatically process patent related information for making corporate business decision (RIVETTE's para 0003-0008 and 0020-0021). Combination of TRAN and RIVETTE do not teach wherein the graphical component structure and textual component content being integrally visually generated and link in a single interactive diagram as claimed.

However, BLAIR teaches a navigation tree and text document with links shown as in the fig. 2, RFQ that is selected from the tree navigation structure. As shown in this example, this is a text document with PDF format that includes hyperlinks; the RFQ by showing a tree navigation arrangement on the left side of the screen, and corresponding details on the right side. As shown in this example, the navigation tree in the electronic RFQ basically operates as a Table of Contents (TOC) to the RFQ documents (para 0030-0032). All the structure or directory of document and the text-

based document are integrally in a same window with modifiable graphical hierarchical tree structure.

Therefore, based on TRAN in view of RIVETTE, and further in view of BLAIR, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the teachings of BLAIR to the system of TRAN and RIVETTE. One having ordinary skill in the art would have found it motivated to utilize the use of interactive diagram as disclosed (BLAIR's para 0030-0032), into the system of TRAN for the purpose of providing documents in PDF format for easing to extract, thereby, enabling to provide a single application or document can be used to view all documents (BLAIR's figs. 1 and 2, para 0002-0004, 0014-0016 and para 0030-0032).

With respect to claim 12, TRAN teaches further including the step of: at least one user entering diagram verbiage by drafting the text-based detailed description or verbiage of the specification section of the application for each component of the diagram wherein the text-based description and the diagram verbiage are automatically directly linked by being visually integrated with one another where the text associated with each component is included only within the diagram section for that component (a process performed by the software for assisting the user in generating a patent application: figs. 2's and 3B).

With respect to claim 13, TRAN teaches further including the step of: at least one user inputting additional components selected from the group consisting of key components, subcomponents, and sub-subcomponents (a patent application has background, summary, description, drawings and claims components or such as one

independent claim has one or more dependent claims as shown in the fig. 3B: claim tree: para 0068; also see para 0008 and 0016).

With respect to claim 14, TRAN teaches further including the steps of: modifying any previously inputted components within the diagram; and the system automatically updating the diagram and relational information to those modified components (the text of a patent application is enabling to update or edit: para 0044 and claim tree is also able to move or to modify (drag/drop claims): para 0068).

With respect to claim 15, TRAN teaches further including the step of: automatically generating a patent application based upon the inputted information and the hierarchical diagram, including specification and claims (such as one independent claim has one or more dependent claims as shown in the fig. 3B: claim tree: para 0068 or a patent application has background, summary, description, drawings and claims components: para 0008, 0016 and 0044-0045).

With respect to claim 16, TRAN teaches a system for mapping technology using at least one computing device (fig. 1, a system for user(s) such as IP specialist or attorney in drafting or writing patent applications or patent claims as well as technical information as legal matters for a patent application: para 0006, 0010 and 0132-0133), comprising:

at least one input device connected to the at least one computing device for inputting information from at least one user (inputting from one of client computers: fig. 1, items 104 and 106, para 0035);

at least one processing means for automatically generating a diagrammatic representation of a technology including at least one key component and at least one subcomponent associated with the at least one key component (using graphical user interface and software for assisting the user in generating a patent application: para 0042-0043 and fig. 2A and 2C), wherein the diagrammatic representation includes a hierarchical component categorization of the technical components of the technology based upon the information inputted by the at least one user (fig. 3B a claim tree, para 0068; automatically generating a patent application: fig. 2's para 0042; technical component such as background, description, drawings and claims: abstract, figs. 2C, 3A and 4-5, para 0008, 0016, 0044-0046 and 0101-0103; and independent claims and dependent claims: in fig. 3B claim tree and para 0053-0054); and

at least one output device connected to the at least one computing device for outputting the automatically generated diagrammatic representation of a technology (the claim tree is displayed on the desktop screen, output device: para 0127 and fig. 3B) and wherein the diagram is modifiable by the at least one user and the diagram hierarchical component categorization and related text-based detailed information is automatically updated based upon the user modifications (the text of a patent application is enabling to update or edit: para 0044 and claim tree is also able to move or to modify (drag/drop claims): para 0068).

TRAN teaches methods and system for processing intellectual property assets; drafting or writing patent applications; creating and displaying a claim tree under graphical interface, diagramming elements of the claim in a graphical representation: a

flowchart of steps of claim drafting with user input and including the system diagramming the elements of a claim. The window displays icons and drop-down menus. By clicking on items in the background windows, a user can navigate the claim tree. The user such as IP specialist or attorney in drafting or writing patent applications or patent claims as well as technical information as legal matters for a patent application, generating an patent application including some technical components such background, invention summary, drawings, description, abstract and claims and displaying the claim tree to user. Also, TRAN teaches displaying a flowchart of steps of claim drafting with user input (fig. 3A, para 0052) and including at the step 312, the system diagramming the elements of a claim (para 0068-0079) and fig. 3B illustrating the diagrammed claim, showing the hierarchy of elements (para 0080), analogous to the claimed components and subcomponents, wherein the highest level node in fig. 3B is the claimed at least one key component and a single window to a user's most commonly used desktop information and GUI for claim tree and a navigable interface including an element tree hierarchical and claim mapping (para 0020, fig. 3B and page 12, in claim 8 and claim 16). TRAN does not explicitly teach wherein the diagrammatic representation comprises graphical component structure and textual component content associated with each component such that for each component, the graphical component Structure for each component includes the full text of the textual component content for that component only and in a single user interface pane as claimed.

However, RIVETTE teaches image file and text file are presentations of patent (para 0429); the patent is represented by icon (para 0980 and fig. 73 and 164); claim

tree (fig. 185; para 1368-1369); hyperlinking using a linked list of nodes for switching to view the desired component (para 1231-1233; also para 1236-1240). And a user can view the tree structure in a single window or pane (para 0793 and 1162-1178). This is the same as the graphical component of a patent including drawings, claims, abstract, summary and detail specification and is illustrated and displayed under a hierarchical tree with graphical component structure (see figs 164 and 185); and mapping patent and document an classification or categorization the patent/document: para 0727, 1434, and 2080 and mapping: abstract, para 0026, 0067 and 0076 and see figs. 59-60 and 84).

Therefore, based on TRAN in view of RIVETTE, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the teachings of TRAN with the teachings of RIVETTE. One having ordinary skill in the art would have found it motivated to utilize the use of graphical representation of a source patent and claim as well (RIVETTE's para 1368-1368; fig. 164 and 185), into the system of TRAN for the purpose of having tools including modules to track and process of Patent or Intellectual property related transaction such as license agreements, therefore, enabling user to use automated tools that automatically process patent related information for making corporate business decision (RIVETTE's para 0003-0008 and 0020-0021). Combination of TRAN and RIVETTE do not teach wherein the graphical component structure and textual component content being integrally visually generated and link in a single interactive diagram as claimed.

However, BLAIR teaches a navigation tree and text document with links shown as in the fig. 2, RFQ that is selected from the tree navigation structure. As shown in this example, this is a text document with PDF format that includes hyperlinks; the RFQ by showing a tree navigation arrangement on the left side of the screen, and corresponding details on the right side. As shown in this example, the navigation tree in the electronic RFQ basically operates as a Table of Contents (TOC) to the RFQ documents (para 0030-0032). All the structure or directory of document and the text-based document are integrally in a same window with modifiable graphical hierarchical tree structure.

Therefore, based on TRAN in view of RIVETTE, and further in view of BLAIR, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the teachings of BLAIR to the system of TRAN and RIVETTE. One having ordinary skill in the art would have found it motivated to utilize the use of interactive diagram as disclosed (BLAIR's para 0030-0032), into the system of TRAN for the purpose of providing documents in PDF format for easing to extract, thereby, enabling to provide a single application or document can be used to view all documents (BLAIR's figs. 1-2, para 0002-0004, 0014-0016 and para 0030-0032).

With respect to claim 17, TRAN teaches a method for mapping technology (fig. 1, a system for user(s) such as IP specialist or attorney in drafting or writing patent applications or patent claims as well as technical information as legal matters for a patent application: para 0006, 0010 and 0132-0133) comprising the steps of:

entering information relating to components of a technology by at least one user; automatically generating a visual diagram of the components of the technology in a hierarchical relational diagram, including at least one key component and at least one subcomponent associated with the at least one key component wherein the visual diagram is a diagrammatic representation of a technology, wherein the diagrammatic representation includes a hierarchical component categorization of the technical components of the technology based upon the user inputted reformation, wherein the hierarchical component categorization includes at least one key component and at least one subcomponent related thereto, and the at least one user viewing the diagram and text-based information in a tangible medium (inputting from one of client computers: fig. 1, items 104 and 106, para 0035; using graphical user interface and software for assisting the user in generating a patent application: para 0042-0043 and fig. 2A and 2C; see fig. 3B a claim tree, para 0068; automatically generating a patent application: fig. 2's para 0042; technical component such as background, description, drawings and claims: abstract, figs. 2C, 3A and 4-5, para 0008, 0016, 0046 and 0101-0103; independent claims and dependent claims: in fig. 3B claim tree and para 0053-0054; and the claim tree is displayed on the desktop screen, output device: para 0127 and fig. 3B; and computer-readable medium such as a disk: para 0049); and modifying any previously inputted components within the diagram; and the system automatically updating the diagram and relational information to those modified components (the text of a patent application is enabling to update or edit: para 0044 and claim tree is also able to move or to modify (drag/drop claims): para 0068).

TRAN teaches methods and system for processing intellectual property assets; drafting or writing patent applications; creating and displaying a claim tree under graphical interface, diagramming elements of the claim in a graphical representation: a flowchart of steps of claim drafting with user input and including the system diagramming the elements of a claim. The window displays icons and drop-down menus. By clicking on items in the background windows, a user can navigate the claim tree. The user such as IP specialist or attorney in drafting or writing patent applications or patent claims as well as technical information as legal matters for a patent application, generating an patent application including some technical components such background, invention summary, drawings, description, abstract and claims and displaying the claim tree to user. Also, TRAN teaches displaying a flowchart of steps of claim drafting with user input (fig. 3A, para 0052) and including at the step 312, the system diagramming the elements of a claim (para 0068-0079) and fig. 3B illustrating the diagrammed claim, showing the hierarchy of elements (para 0080), analogous to the claimed components and subcomponents, wherein the highest level node in fig. 3B is the claimed at least one key component and a single window to a user's most commonly used desktop information and GUI for claim tree and a navigable interface including an element tree hierarchical and claim mapping (para 0020, fig. 3B and page 12, in claim 8 and claim 16). TRAN does not explicitly teach wherein the diagrammatic representation comprises graphical component structure and textual component content associated with each component such that for each component, the graphical component structure for each component includes the full text of the textual component

content directly related only to that specific component, and outputting a viewable diagram of that categorization wherein each of the components and its corresponding text-based information and its corresponding diagram components are automatically directly linked by being visually integrated with one another within the graphical component structure and in a single user interface pane as claimed.

However, RIVETTE teaches image file and text file are presentations of patent (para 0429); the patent is represented by icon (para 0980 and fig. 73 and 164); claim tree (fig. 185; para 1368-1369); hyperlinking using a linked list of nodes for switching to view the desired component (para 1231-1233; also para 1236-1240). And a user can view the tree structure in a single window or pane (para 0793 and 1162-1178). This is the same as the graphical component of a patent including drawings, claims, abstract, summary and detail specification and is illustrated and displayed under a hierarchical tree with graphical component structure (see figs 164 and 185); and mapping patent and document an classification or categorization the patent/document: para 0727, 1434, and 2080 and mapping: abstract, para 0026, 0067 and 0076 and see figs. 59-60 and 84).

Therefore, based on TRAN in view of RIVETTE, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the teachings of TRAN with the teachings of RIVETTE. One having ordinary skill in the art would have found it motivated to utilize the use of graphical representation of a source patent and claim as well (RIVETTE's para 1368-1368; fig. 164 and 185), into the system of TRAN for the purpose of having tools including modules to track and process of

Patent or Intellectual property related transaction such as license agreements, therefore, enabling user to use automated tools that automatically process patent related information for making corporate business decision (RIVETTE's para 0003-0008 and 0020-0021). Combination of TRAN and RIVETTE do not teach wherein the graphical component structure and textual component content being integrally visually generated and link in a single interactive diagram as claimed.

However, BLAIR teaches a navigation tree and text document with links shown as in the fig. 2, RFQ that is selected from the tree navigation structure. As shown in this example, this is a text document with PDF format that includes hyperlinks; the RFQ by showing a tree navigation arrangement on the left side of the screen, and corresponding details on the right side. As shown in this example, the navigation tree in the electronic RFQ basically operates as a Table of Contents (TOC) to the RFQ documents (para 0030-0032). All the structure or directory of document and the text-based document are integrally in a same window with modifiable graphical hierarchical tree structure.

Therefore, based on TRAN in view of RIVETTE, and further in view of BLAIR, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the teachings of BLAIR to the system of TRAN and RIVETTE. One having ordinary skill in the art would have found it motivated to utilize the use of interactive diagram as disclosed (BLAIR's para 0030-0032), into the system of TRAN for the purpose of providing documents in PDF format for easing to extract, thereby,

enabling to provide a single application or document can be used to view all documents (BLAIR's figs. 1 and 2, para 0002-0004, 0014-0016 and 0030-0032).

Conclusion

13. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Contact Information

14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANH LY whose telephone number is (571) 272-4039 or via E-Mail: ANH.LY@USPTO.GOV (Written Authorization being given by Applicant

(MPEP 502.03 [R-2])) or fax to (571) 273-4039 (unofficial fax number directly to Examiner's office). The examiner can normally be reached on MONDAY – FRIDAY from 7:30 AM – 3:30 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene (571) 272-4107.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). Any response to this action should be mailed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, or faxed to:
Central Fax Center: (571) 273-8300.

Anh Ly /AL/
Examiner GAU: 2162
OCT. 7th, 2010

/John Breene/
Supervisory Patent Examiner, Art Unit 2162